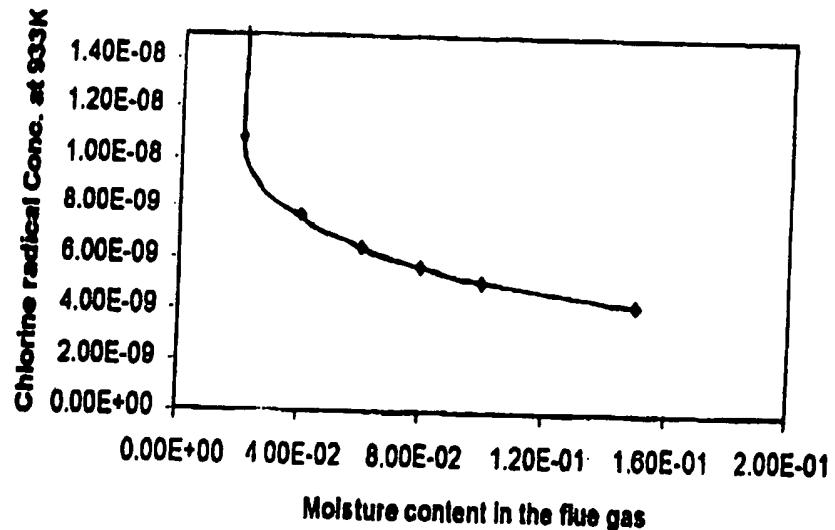


### **Chlorine content in coal effect on the chlorine radical existence at 933K**

Flue gas composition: CO<sub>2</sub>: 0.1444, H<sub>2</sub>O: 0.0569, O<sub>2</sub>: 0.0386, N<sub>2</sub>: 0.7659, HC1 various

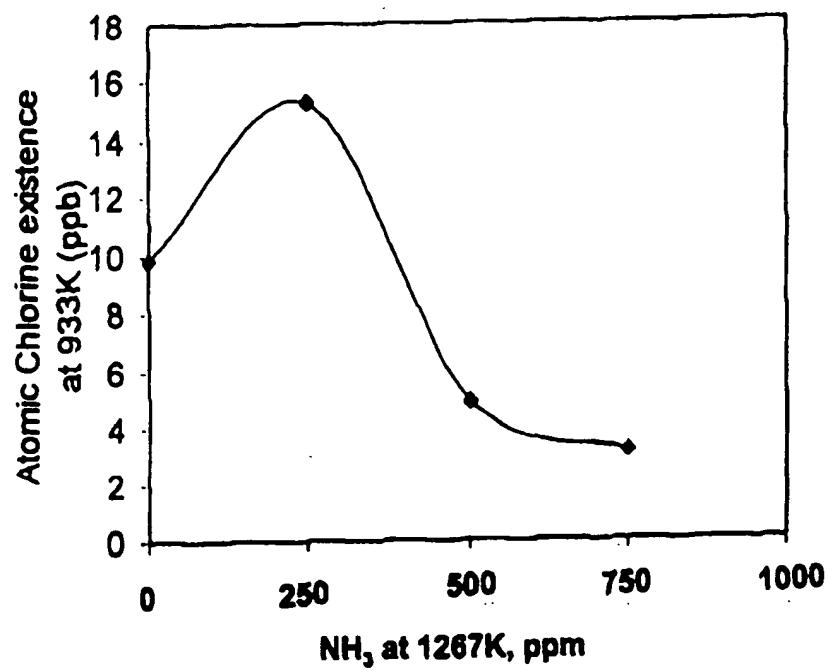
**FIGURE 1**



### **Moisture content in flue gas effect on the chlorine radical existence at 933K**

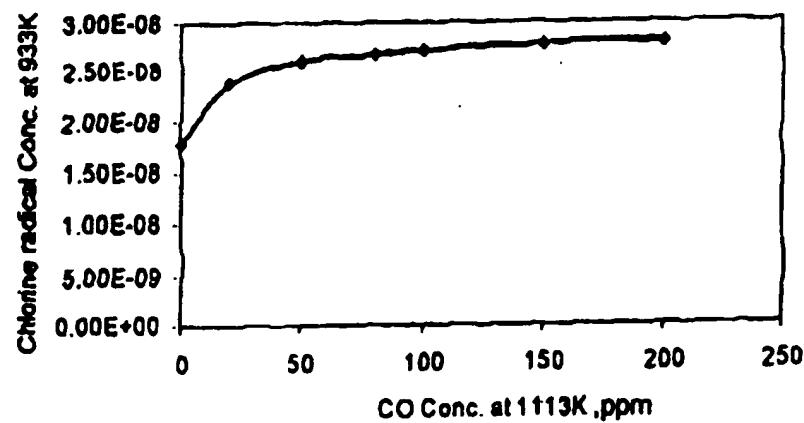
Flue gas composition: CO<sub>2</sub>: 0.1444, O<sub>2</sub>: 0.0386, N<sub>2</sub>: various, HC1 62ppm

**FIGURE 2**



**NH<sub>3</sub> injection effect on the Atomic Chlorine existence**

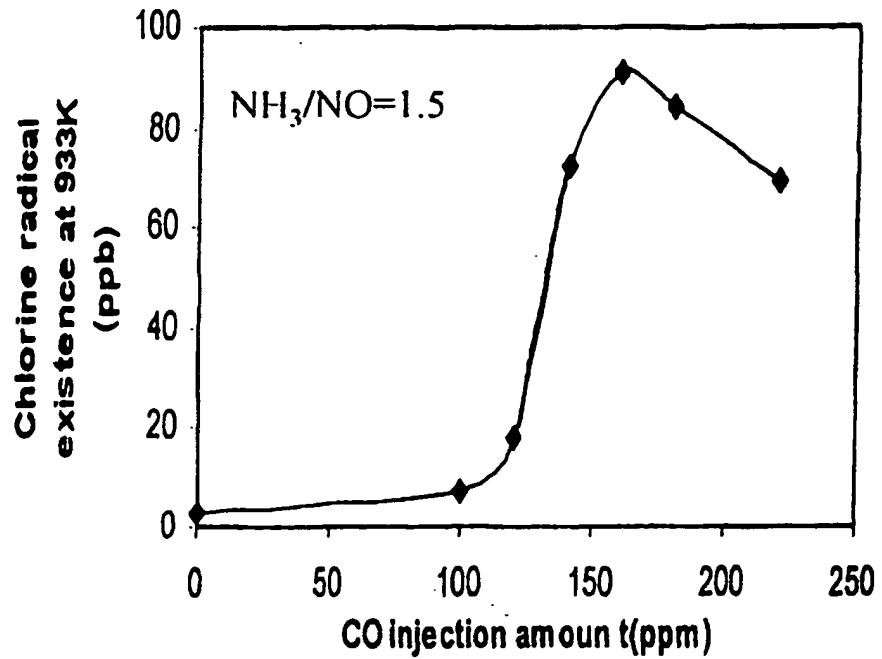
**FIGURE 3**



**CO Conc. effect on the Chlorine radical existenc**

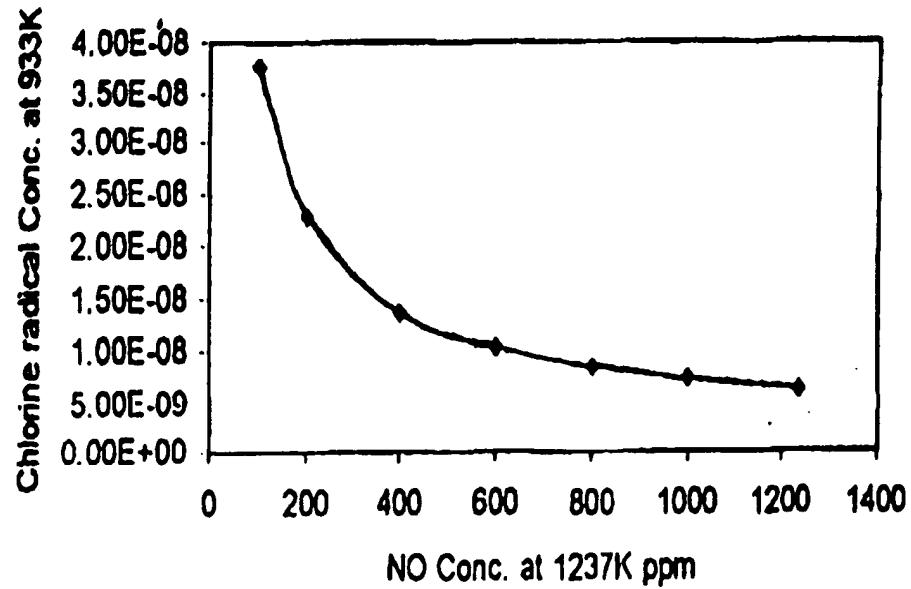
Flue gas composition: CO<sub>2</sub>: 0.1444, H<sub>2</sub>O: 0.0569, O<sub>2</sub>: 0.0386, N<sub>2</sub>: 0.7659, HC1 62ppm

**FIGURE 4**



CO local Conc. in the SNCR injection zone effect on the Atomic Chlorine existence

**FIGURE 5**



NO Conc. Effect on the Chlorine radical existence

Flue gas composition: CO<sub>2</sub>: 0.1444, H<sub>2</sub>O: 0.0569, O<sub>2</sub>: 0.0386, N<sub>2</sub>: 0.7659, HC1: 62ppm

**FIGURE 6**

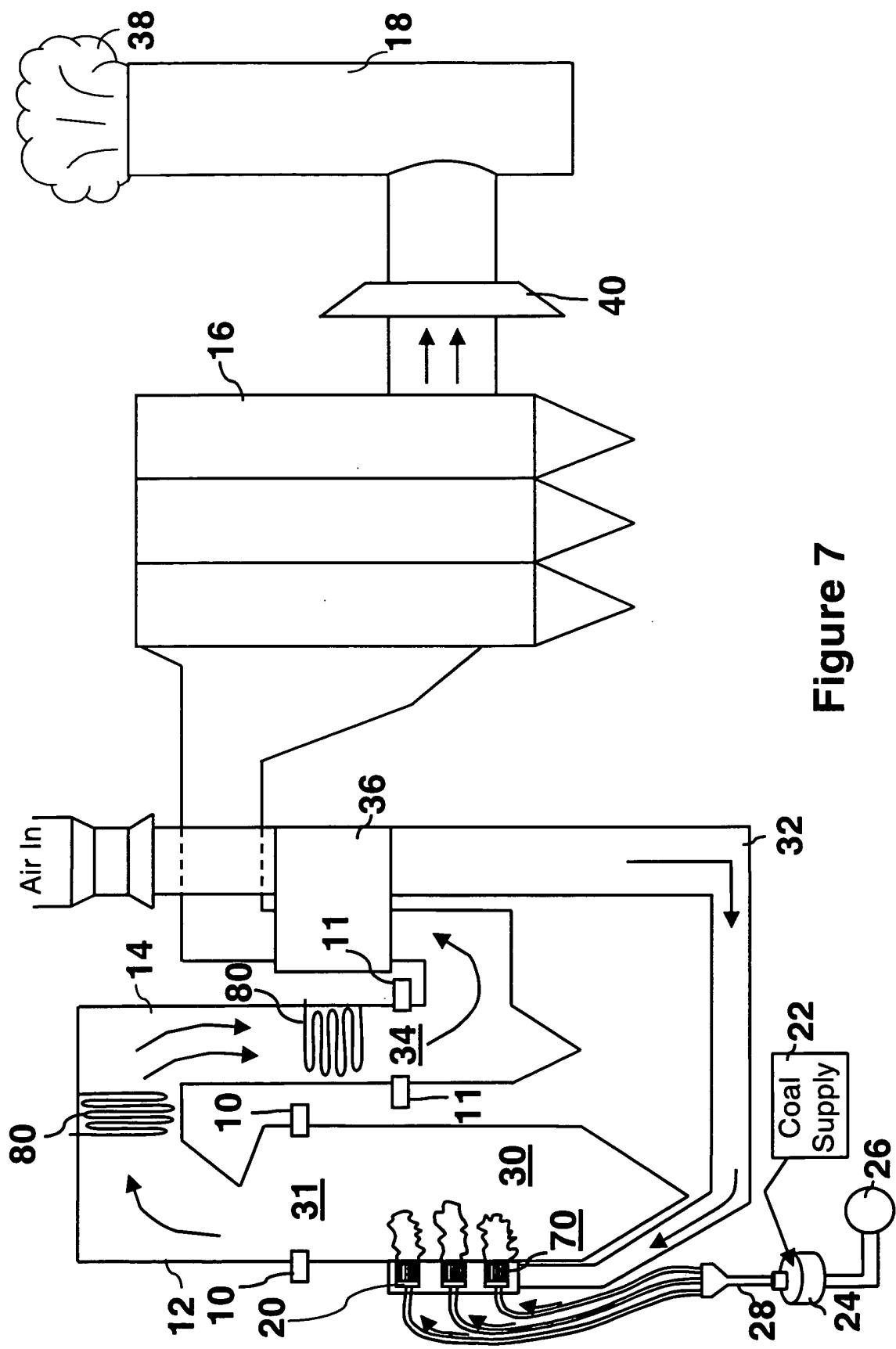


Figure 7